

Model	Embedding Similarity Search				
	R@3	R@5	R@10	R@20	R@50
Starmie	0.421	0.540	0.635	0.730	0.825
Ours	<b>0.722</b>	<b>0.833</b>	<b>0.897</b>	<b>0.944</b>	<b>0.992</b>

Model	Column Type Annotation								
	k=10			k=20			k=50		
	R@1	R@3	R@5	R@1	R@3	R@5	R@1	R@3	R@5
Starmie	0.429	–	–	0.460	–	–	0.405	–	–
Ours	<b>0.802</b>	<b>0.881</b>	<b>0.897</b>	0.619	0.833	0.889	0.722	0.762	0.881

Table 1: Comparison of Recall at different cutoffs (R@k) for Starmie and our data augmentation method on the ARPA schema matching task on 700+ GDC variable names. "Embedding Similarity Search" refers to using embeddings from a pre-trained language model fine-tuned using contrastive learning for similarity searches to retrieve the top-k entries. "Column Type Annotation" (CTA) involves utilizing the top-k entries retrieved by the language model for column type annotation, comparing precision at top 1, 3, and 5 matches for label set sizes 10, 20, and 50.